## CLAIMS

1	1.	A photoinduced polymerizable cyanate ester composition for use in reinforcing		
2		a bond, comprising:		
3		a cyanate ester substance comprised of a cationically polymerizable cyanate		
4		ester monomer, a cyanate ester prepolymer, or a mixture of the		
5		monomer and prepolymer;		
6		an effective amount of modifier for enhancing fracture properties of said bond		
7		and for assisting in reinforcing said bond;		
8		a filler for controlling thermal expansion of said composition and for assisting		
9		in reinforcing said bond; and		
10		a polymerization photoinitiator comprised of a catalytically effective amount of		
11		an organometallic complex salt having a metal cation, upon		
12		photolysis, said polymerization photoinitiator liberating at least one		
13		coordination site and polymerizing the cyanate ester substance,		
14		wherein said metal cation in the organometallic complex is selected		
15		from the group consisting of elements of Periodic Groups IVB, VB,		
116		VIB, VIIB, and VIIIB.		
12 13 14 15 16 10 11 10 11 10 11 11 12 3				
<u>l</u>	2.	The photoinduced polymerizable cyanate ester composition of claim 1, wherein		
<b>1</b> 2		said effective amount of modifier includes a toughening agent comprised of		
3		elastomeric units.		
1	3.	The photoinduced polymerizable cyanate ester composition of claim 2, wherein		
2		said elastomeric units are endcapped with reactive functional groups.		

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- 1 4. The photoinduced polymerizable cyanate ester composition of claim 2, wherein 2 said elastomeric units have molecular weights ranging between approximately 500 and approximately 5000.
- The photoinduced polymerizable cyanate ester composition of claim 1, wherein said effective amount of modifier includes elastomers, said elastomers reacting with said cyanate ester substance upon curing to form an epoxy terminated elastomer.
  - 6. The photoinduced polymerizable cyanate ester composition of claim 1, wherein said cyanate ester substance is solvent free.

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7.	A process for providing a photoinduced polymerizable cyanate ester
	composition for use in reinforcing a bond, said process comprising the steps of
	providing cyanate ester substance comprised of a cationically polymerizable
	cyanate ester monomer, a cyanate ester prepolymer, or a mixture of
	the monomer and prepolymer;
	adding to the cyanate ester substance an effective amount of modifier for
	enhancing fracture properties of said bond and for assisting in
	reinforcing said bond;
	adding to the cyanate ester substance a filler for controlling thermal expansion
	of said composition and for assisting in reinforcing said bond; and
	adding to the cyanate ester substance a polymerization photoinitiator
	comprised of a catalytically effective amount of an organometallic
	complex salt having a metal cation, upon photolysis, the
	polymerization photoinitiator_liberating at least one coordination site
	and curing the cyanate ester substance, wherein said metal cation in
	the organometallic complex is selected from the group consisting of
	elements of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB.

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1	, 8. A lead		protective composition comprising the polymerization product of:		
2		(a)	at least one cyanate monomer;		
3		(b)	a polymerization photoinitiator comprised of a catalytically effective		
4			amount of an organometallic complex salt having a metal cation, the		
5			polymerization photoinitiator liberating at least one coordinative site		
6			and polymerizing the at least one cyanate monomer, wherein said		
7			metal cation in the organometallic complex is selected from the group		
8			consisting of elements of Periodic Group IVB, VB, VIB, VIIB and		
9			VIIIB;		
10		(c)	a filler for controlling thermal expansion of said composition and for		
11			assisting in reinforcing said bond; and		
12		(d)	an effective amount of a modifier for enhancing fracture properties of		
<b>1</b> 3			the protective composition as compared to a lead bond formed without		
13 14 15			a lead protective composition and for assisting in reinforcing said		
15			bond.		
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	9.		ad protective composition of claim 8, wherein said effective amount of		
<b>⊨3</b>		modif	ier includes elastomeric units.		
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	10.	The le	and protective composition of claim 0 wherein said places were		
1 2	10.		ead protective composition of claim 9, wherein said elastomeric units are		
2		enuca	pped with reactive functional groups.		

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- 1 11. The lead protective composition of claim 9, wherein said elastomeric units
  2 have molecular weights ranging between approximately 500 and approximately
  3 5000.
- 1 12. The lead protective composition of claim 8, wherein said effective amount of modifier includes elastomers, said elastomers reacting with said cyanate ester substance upon curing to form an epoxy terminated elastomer.

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